

In the Claims

CLAIMS

What is claims is:

5 1. (Currently Amended) ~~Storage~~ A storage element
for at least one brake disc (1) comprising at least one
housing (13) of longitudinal axis (X2), the housing
comprising, at a first longitudinal end, an opening (14)
for inserting the ~~said~~ brake disc (1) having an internal
10 diameter (D14) greater than the external diameter (D7)
of the brake disc, a wall (16) connecting the first
longitudinal end to a second longitudinal end (18),
characterized in that ~~the~~ said housing (13) comprises at
least one suspension means (15) made in the said wall
15 (16) of the ~~said~~ brake disc so that a non-zero distance
separates a first or second face (9, 11) of the brake
disc, facing towards the second longitudinal end of the
housing (13) and ~~the~~ said second end (18).

20 2. (Currently Amended) ~~Storage~~ The storage
element for a brake disc according to Claim 1,
characterized in that ~~the~~ said suspension means is
formed by at least one shoulder (15) connecting a
larger-diameter first cylindrical portion (10) of the
25 longitudinal axis (X2) of a diameter greater than the
diameter (D7) of the brake disc (7) and a smaller-
diameter second portion (12) of the longitudinal axis
(X2), ~~the~~ said shoulder being of width (L) such that
the shoulder collaborates with a radially external end
30 (17) of ~~the~~ said first or second face (9, 11) of the
brake disc.

35 3. (Currently Amended) ~~Element~~ The storage
element according to Claim 2, characterized in that ~~the~~
said shoulder (15) is made of at [sic] two parts (115)
arranged in one and the same plane (Q) and formed by
angular sectors distributed, advantageously uniformly,
over the periphery of the housing (13).

4. (Currently Amended) ~~Storage~~ The storage
element for a brake disc according to Claim 2,
characterized in that the said housing (13) comprises
5 several shoulders (151, 152) arranged in parallel
planes (Q1, Q2) so that the storage element will take
brake discs of different diameters.

5. (Currently Amended) ~~Element~~ The storage
10 element according to the ~~preceding~~ claim 4,
characterized in that each shoulder (151, 152) connects
a larger-diameter part to a smaller-diameter part, the
said smaller-diameter part forming the next larger-
diameter part, and in that each larger-diameter part
15 has an axial dimension along the axis (X2) at least
equal to half the distance separating the said first
and second faces (9, 11) of the brake disc it
accommodates.

6. (Currently Amended) ~~Storage~~ The storage
20 element for a brake disc according to the ~~preceding~~
claim 5, characterized in that the smaller-diameter
portion of the ~~previous~~ said suspension means along the
longitudinal axis (X2) from the first end (14) of the
housing (13) towards the second end (18) forms the
25 larger-diameter portion of the a next suspension means.

7. (Currently Amended) ~~Storage~~ The storage
element for a brake disc according to ~~any one of Claims~~
30 ~~2 to~~ claim 6, characterized in that the width of the
said shoulder (15, 151, 152) is preferably between 4 mm
and 10 mm.

8. (Currently Amended) ~~Storage~~ The storage
35 element according to Claim 7, characterized in that the
width of the said shoulder (15, 151, 152) is more
preferably still between 6 mm and 8 mm.

9. (Currently Amended) ~~Storage~~ The storage
element for a brake disc according to Claim 1,
characterized in that ~~the said~~ wall (16) is in the form
of a cone frustum with the taper directed towards the
5 second longitudinal end (18) of the housing.

10. (Currently Amended) ~~Element~~ The storage
element according to ~~any one of the preceding claims~~
claim 9, characterized in that ~~the said~~ housing (13)
10 has a dimension along the axis (X2) at least equal to
the dimension of the brake disc along the axis (X1).

11. (Currently Amended) ~~Element~~ The storage
element according to ~~any one of the preceding claims~~
15 claim 10, ~~characterized in that it is~~ wherein the
element is made of a synthetic material by
thermoforming.

12. (Currently Amended) ~~Element~~ The storage
20 element according to ~~the preceding claim~~ claim 10,
~~characterized in that it~~ wherein the element is made of
thermoplastic polymer, particularly ABS.

13. (Currently Amended) ~~Element~~ The storage
25 element according to ~~Claim 11~~ claim 10, characterized
~~in that it~~ wherein the element is made of
polyethylene.

14. (Currently Amended) ~~Element~~ The storage
30 element according to ~~any of the preceding claims~~ claim
10, characterized ~~in that it~~ wherein the element
comprises six housings (13) distributed uniformly and
in that ~~it~~ the element has the shape of a rectangular
parallelepiped.

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15. (Currently Amended) ~~Element~~ The storage
element according to ~~any one of Claims 1 to 13~~ claim
1, characterized in that ~~it~~ the element comprises twelve

housings (13) distributed uniformly and in that it the element has the shape of a rectangular parallelepiped.

5 16. (Currently Amended) ~~Element~~ The storage element according to ~~any one of the preceding claims claim 1~~, characterized in that the element comprises means (19) allowing several elements to be stacked one on top of the other.

10 17. (Currently Amended) ~~Element~~ The storage element according to ~~the preceding claim 16~~, characterized in that ~~the said means (19) are grooves extending upwards in the direction of stacking on rims of the storage element.~~

15 18. (Currently Amended) ~~Element~~ The storage element according to Claim 16, characterized in that ~~the said means are formed of blocks (23) arranged centrally between several housings, advantageously between four housings, and bearing surfaces (21) projecting from the rims towards the inside of the said element for an additional element able to be stacked on the said element.~~

25 19. (Currently Amended) ~~Element~~ The storage element according to ~~the preceding claim 18~~, characterized in that ~~the said blocks are formed as an integral part of the housings.~~

30 20. (Currently Amended) The storage element according to Claim 19 ~~Brake disc storage module, characterized in that it comprises at least two storage elements according to any one of Claims 16 to 19, stacked along the axis (X2).~~